



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/747,650	12/22/2000	Shingo Yamaguchi	49986-0503	9834
29989	7590	07/23/2004		
HICKMAN PALERMO TRUONG & BECKER, LLP 1600 WILLOW STREET SAN JOSE, CA 95125				
			EXAMINER PHAM, THIERRY L	
			ART UNIT 2624	PAPER NUMBER

DATE MAILED: 07/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/747,650

Applicant(s)

YAMAGUCHI, SHINGO

Examiner

Thierry L Pham

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>3-4</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-8, 10-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Slotznick (U.S. 5983200).

Regarding claim 1, Slotznick discloses a printing interface apparatus (stand-alone kiosk device, fig. 1) comprising:

(1) a wireless communication component (stand-alone kiosk provides a modem 46 for wireless communication with other devices such as personal computer, fig. 3, col. 16, lines 6-30) that is configured to receive electronic document information over a wireless connection, wherein the electronic document information is associated with one or more electronic documents (i.e. documents such as print orders transmit from personal computer, fig. 3, col. 10, lines 18-67) ;

(2) a printer interface component (stand-alone kiosk includes a printer device for printing out documents, fig. 3) that is configured to communicate said electronic document information to a printing device for generating a hard copy of said one or more electronic documents; and

(3) a payment component that (stand-alone kiosk includes payment input device such as currency receiver and credit card reader, fig. 2-3, col. 12, lines 50-67 and col. 17, lines 40-45) is configured to control the printing of documents by requiring a monetary payment prior to generating said hard copy of said one or more electronic documents.

Regarding claim 2, Slotznick further discloses the printing interface apparatus as recited in claim 1, wherein: the printer interface component includes a web server application (Internet server, col. 16, lines 6-18 and col. 21, lines 5-26) that is configured

Art Unit: 2624

to receive non-print ready electronic document information (i.e. credit card payment information transmits via a wireless network, fig. 3, col. 16, lines 18-30) over said wireless connection and to generate a print ready file based on said non-print ready electronic document information received over said wireless connection.

Regarding claim 3, Slotznick further discloses the printing interface apparatus as recited in claim 1, wherein: the payment component is configured as a magnetic card reader (stand-alone kiosk includes credit card reader, fig. 2) that is capable of reading non-physical payment information as payment for generating said hard copy of said one or more electronic documents.

Regarding claim 4, Slotznick further discloses the printing interface apparatus as recited in claim 1, wherein: the payment component is configured to accept Cyber-Cash (i.e. payment information transmits via a wireless network to stand-alone kiosk, fig. 3, col. 16, lines 18-30) information over the wireless connection as payment for generating said hard copy of said one or more electronic documents.

Regarding claim 5, Slotznick further discloses the printing interface apparatus as recited in claim 1, wherein: the payment component is configured to accept physical currency (stand-alone kiosk includes currency receiver, fig. 2) as payment for generating said hard copy of said one or more electronic documents.

Regarding claims 6-8, Blue tooth wireless communication (802.11 communication protocol at 2.4 GHz range) is widely known in the art.

Regarding claim 10, Slotznick discloses a printing interface apparatus comprising: (1) a wireless communication component (stand-alone kiosk provides a modem 46 for wireless communication with other devices such as personal computer, fig. 3, col. 16, lines 6-30) that is configured with a receiving component for receiving electronic document information over a wireless connection, wherein the wireless communication

Art Unit: 2624

component includes a front side and a back side (fig. 1), and wherein the receiving component is shielded to limit reception of said electronic document information from only those devices that are located substantially in front (back of stand-alone kiosk is shielded, fig. 1) of the wireless communication component; and

(2) a printer interface (printer incorporated within the stand-alone kiosk, fig. 2-3) component that is configured to communicate said electronic document information to a printing device for generating a hard copy of one or more electronic documents based on said electronic document information.

Regarding claims 11-18, please see claim rejection rationale/basis as described in claims 1-8, 10 for more details.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 9 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Slotznick as described in claims 1 and/or 12 above, and in view of Yacoub (U.S. 6452692).

Regarding claims 9 & 19, Slotznick does not disclose wherein the system downloading and installing printer driver via a wireless communication network.

Yacoub, in the same field of endeavor for printing system, teaches the system for downloading and installing printer driver via a wireless network (col. 9, lines 1-16 and col. 12, lines 10-13).

Art Unit: 2624

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify Slotznick as per teachings of Yacoub because of a following reason: (1) to increase operating efficiency by downloading and updating the most and current compatible printer driver for printers.

Therefore, it would have been obvious to combine Slotznick with Yacoub to obtain the invention as specified in claims 9 & 19.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(1) U.S. 6326926 to Shoobridge, teaches a blue tooth communication protocol (IEEE 802.11 at 2.4 GHz).

(2) U.S. 2002/0067504 to Salgado, teaches a method for downloading and updating printer drivers using wireless network.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thierry L Pham whose telephone number is (703) 305-1897. The examiner can normally be reached on M-F (9:30 AM - 6:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K Moore can be reached on (703)308-7452. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thierry L. Pham

TP

